



SPYWOLF

Security Audit Report



Completed on
November 8, 2022

MADE IN USA 

@SPYWOLFNETWORK



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SPYWOLF.CO





OVERVIEW

This audit has been prepared for **UniFan** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

”

- SPYWOLF Team -





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UniFan



PROJECT DESCRIPTION

According to their whitepaper:

The UniFan protocol is a peer-to-peer system designed to exchange cryptocurrencies (FanTokens) on the BSC blockchain. The project will be a decentralized exchange dedicated to FanTokens. UniFan will also build its own ecosystem for FanTokens. Along with that are ongoing incentive programs.

Release Date: Presale starts in November 11, 2022

Category: Betting / DEX



CONTRACT INFO

Token Name

UniFan

Symbol

UNIF

Contract Address

0x4c460Dc759345dE8A95cc3Dd4dCe4530784F5d0B

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Nov 08, 2022

Verified?

Yes

Total Supply

1,000,000,000

Status

Not Launched

TAXES

Buy Tax
none

Sell Tax
none

*Taxes cannot be changed



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of Nov 08, 2022)



Liquidity

Not added yet



Burn

No burnt tokens

Status:
Not Launched!

MaxTxAmount
No Limit

DEX:
PancakeSwap

LP Address(es)

Liquidity not added yet



TOKEN TRANSFERS STATS

Transfer Count	6
Uniq Senders	2
Uniq Receivers	3
Total Amount	2000000000 UNIF
Median Transfer Amount	300000000 UNIF
Average Transfer Amount	333333333.3333333 UNIF
First transfer date	2022-11-08
Last transfer date	2022-11-08
Days token transferred	1

SMART CONTRACT STATS

Calls Count	19
External calls	3
Internal calls	16
Transactions count	8
Uniq Callers	3
Days contract called	1
Last transaction time	2022-11-08 02:03:08 UTC
Created	2022-11-08 01:43:02 UTC
Create TX	0x86378c986a83421c079050f73bb65440e158ca79adf6b620b5f38be49a8e70f5
Creator	0x63ecaa73dc4f55825c969a5ecb46b340392ce0ff



FEATURED WALLETS

Owner address	0x63ecaa73dc4f55825c969a5ecb46b340392ce0ff
LP address	Liquidity not added yet

TOP 3 UNLOCKED WALLETS



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Owner can mint (create) new tokens.

If sold, this can lead to significant price inflation and liquidity drain.

```
function mint(uint256 amount) public onlyOwner returns (bool) {
    _mint(_msgSender(), amount);
    return true;
}

function _mint(address account, uint256 amount) internal {
    require(account != address(0), "BEP20: mint to the zero address");

    _totalSupply = _totalSupply.add(amount);
    _balances[account] = _balances[account].add(amount);
    emit Transfer(address(0), account, amount);
}
```

- Recommendation:
 - Considered as good practice is mint to be done only once on contract deployment.



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

UniFan

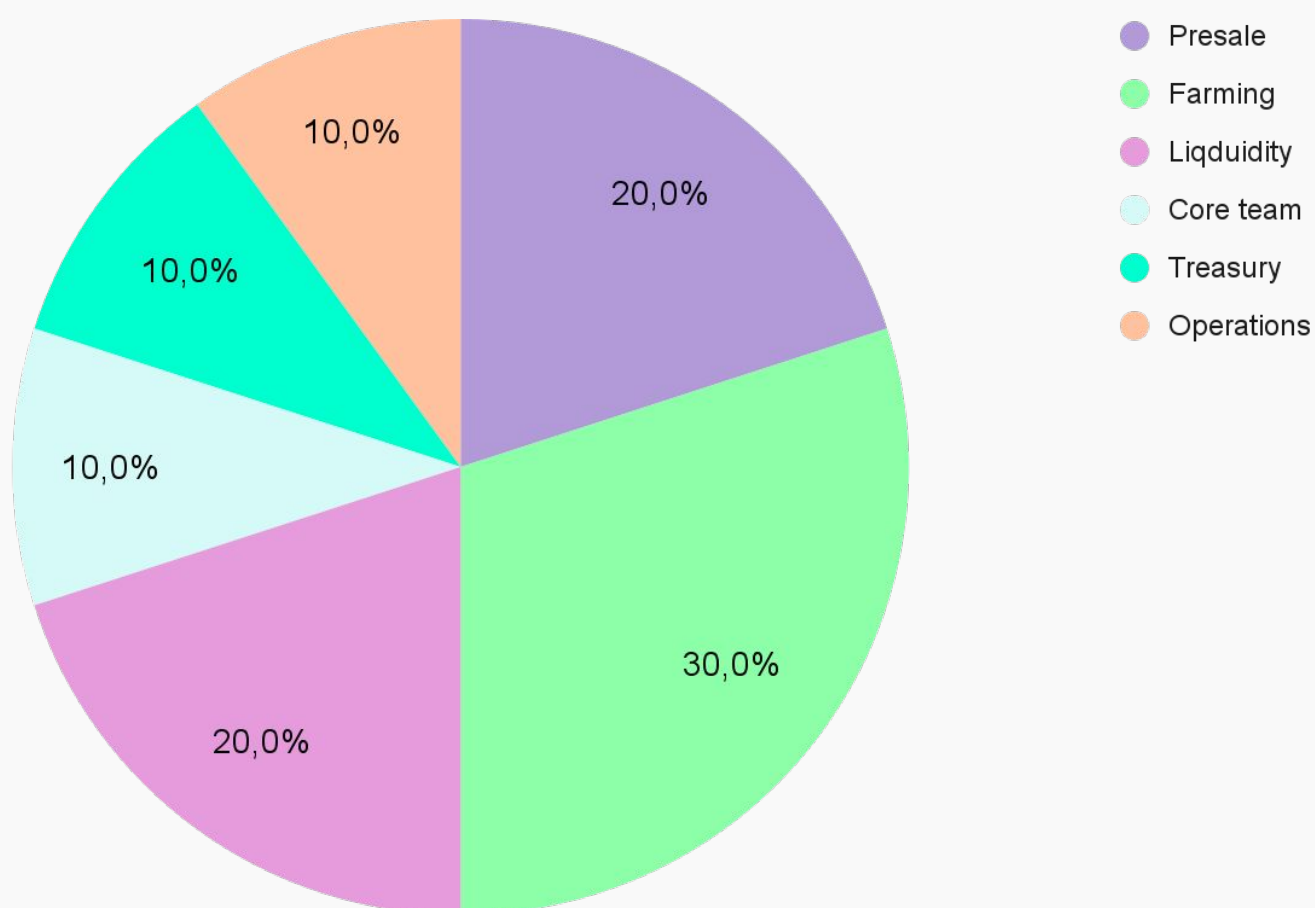
GOOD PRACTICES FOUND

- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



*The following tokenomics are based on project's website and/or whitepaper:

- 20% - Presale
- 30% - Farming
- 20% - Liquidity
- 10% - Treasury
- 10% - Operations
- 10% - Core team



TOKENOMICS



THE TEAM

! The team is
anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL
<https://www.unifan.app/>

Domain Registry
<https://www.namecheap.com/>

Domain Expiration
Expires on 2023-10-30

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

Design
Nice overall looking with appropriate color scheme and graphics.

Content
The information helps new investors understand what the product does right away.
No grammar mistakes found
.

Whitepaper
Well written, explanatory.

Roadmap
Yes, goals set at 3 phases without time frames.

Mobile-friendly?
Yes



unifan.app

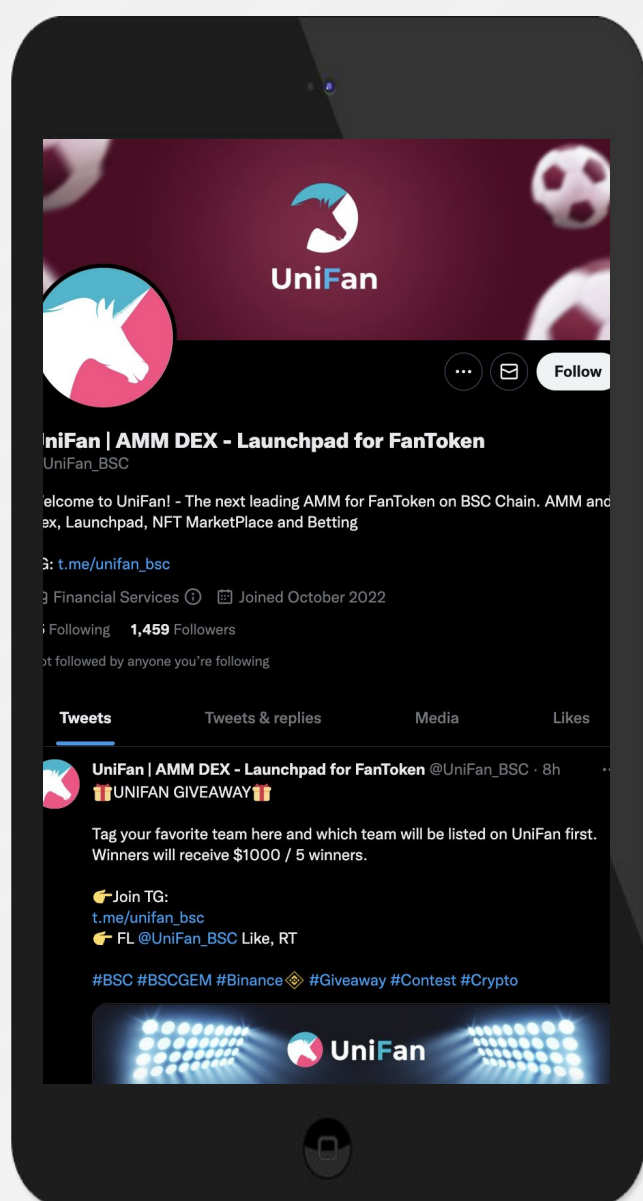


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social activity is concentrated in telegram with organic but not very active users



Twitter

@UniFan_BSC

- 1 457 followers
- 2 total posts ⚠
- New account ⚠



Discord

- Not available



Telegram

@unifan_bsc

- 115 members
- Few active members
- Active mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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- ✓ MORE THAN 500 SCAMS EXPOSED
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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.